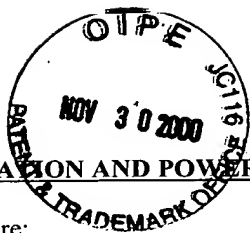


#3

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare:

That my residence, post office address and citizenship are as stated below next to my name.

That I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ITERATIVE MMSE EQUALIZATION-DECODER SOFT  
INFORMATION EXCHANGE DECODING METHOD AND DEVICE**

the specification of which (check one)

( ) is attached hereto.

(X) was filed on August 16, 2000 as  
Application Serial No. 09/640,204  
and was amended on \_\_\_\_\_  
(if applicable)

That I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

That I acknowledge the duty to disclose information known to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

That I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

**Prior Foreign Application(s)****Priority Claimed**

_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

That I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**United States Application(s)**

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)-(Patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)-(Patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)-(Patented, pending, abandoned)

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

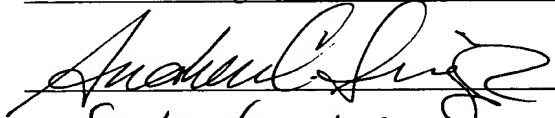
I hereby appoint the following attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith and request that all correspondence and telephone calls in respect to this application be directed to GREER, BURNS & CRAIN, LTD., Suite 8660 - Sears Tower, 233 South Wacker Drive, Chicago, Illinois 60606, Telephone No. (312) 993-0080:

<u>Attorney</u>	<u>Registration No.</u>
Roger D. Greer	26,174
Patrick G. Burns	29,367
Lawrence J. Crain	31,497
Steven P. Fallon	35,132
Paul G. Juettner	30,270
James K. Folker	37,538
B. Joe Kim	41,895
Carole A. Mickelson	30,778

Full name of sole or one  
joint inventor:

Andrew C. Singer

Inventor's signature:



Date:

September 11, 2000

Residence and Post Office Address:

3215 Cherry Hills Drive

Champaign, IL 61822

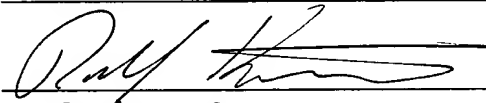
Citizenship:

United States

Full name of additional  
joint inventor, if any:

Ralf Koetter

Inventor's signature:



Date:

September 11, 2000

Residence and Post Office Address:

1004 S. Busey Avenue

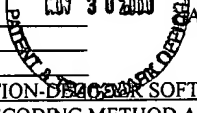
Urbana, IL 61801

Citizenship:

Germany

Address for Correspondence:

Steven P. Fallon  
GREER, BURNS & CRAIN, LTD.  
Suite 8660 - Sears Tower  
233 South Wacker Drive  
Chicago, Illinois 60606

Applicant or Patentee: Andrew C. Singer and Ralf Koetter  Atty Docket No. 1201.63069  
Serial or Patent No.: 09/640,204  
Filed or Issued: August 16, 2000  
For: ITERATIVE MMSE EQUALIZATION-DECODER SOFT  
INFORMATION EXCHANGE DECODING METHOD AND DEVICE

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS**  
(37 CFR 1.9(f) AND 1.27(d) - NONPROFIT ORGANIZATION)

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION: THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  
ADDRESS OF ORGANIZATION: 352 Henry Administration Building, 506 S. Wright St., Urbana, IL  
61801

TYPE OF ORGANIZATION:

- (X) UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  
( ) TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))  
( ) NONPROFIT SCIENTIFIC OR EDUCATION UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA  
( ) (NAME OF STATE \_\_\_\_\_)  
( ) (CITATION OF STATUTE \_\_\_\_\_)  
( ) WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 use 501 (a) and 501 (c)(3) IF LOCATED IN UNITED STATES OF AMERICA  
( ) WOULD QUALIFY AS NON PROFIT SCIENTIFIC OR EDUCATION UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA  
( ) (NAME OF STATE \_\_\_\_\_)  
( ) (CITATION OF STATUTE \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees to the United States Patent and Trademark Office with regard to the invention entitled ITERATIVE MMSE EQUALIZATION-DECODER SOFT INFORMATION EXCHANGE DECODING METHOD AND DEVICE by inventor(s) Andrew C. Singer and Ralf Koetter described in:

- ( ) the specification filed herewith.  
(X) application serial no. 09/640,204, filed August 16, 2000  
( ) patent no. \_\_\_\_\_, issued \_\_\_\_\_.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the above-identified nonprofit organization are not exclusive, each individual, concern, or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e). \*NOTE: Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN ( ) NONPROFIT ORGANIZATION

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN ( ) NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Craig S. Bazzani  
TITLE IN ORGANIZATION: Comptroller and Vice President for Business and Finance  
ADDRESS OF PERSON SIGNING: 352 Henry Admin. Bldg., 506 S. Wright St., Urbana, IL 61801  
SIGNATURE Craig S. Bazzani DATE 9/12/00